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FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
Matthias Ruff	AVA 0001 PA/31557.2	5516	
	EXAM	INER	
DINSMORE & SHOHL LLP Suite 500		NGUYEN, KHANH V	
	ART UNIT	PAPER NUMBER	
	2817		
		Matthias Ruff AVA 0001 PA/31557.2 EXAM NGUYEN, I ART UNIT	

DATE MAILED: 10/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
Office Action Summary Examiner Khanh V. Nguyen		RUFF, MATTHIAS		
	Examiner	Art Unit		
	Khanh V. Nguyen	2817		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING D. Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. (D. (35 U.S.C. § 133).		
Status				
1)⊠ Responsive to communication(s) filed on 16 D	ecember 2003			
	s action is non-final.			
, <u> </u>	,_			
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims				
4)⊠ Claim(s) <u>1-10</u> is/are pending in the application.				
4a) Of the above claim(s) is/are withdrawn from consideration.				
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-10</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/o	or election requirement.			
Application Papers				
9) The specification is objected to by the Examiner.				
10)⊠ The drawing(s) filed on <u>16 December 2003</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119				
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:				
1.⊠ Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this National Stage				
application from the International Burea	u (PCT Rule 17.2(a)).			
* See the attached detailed Office action for a list	of the certified copies not receive	ed.		
l. 1				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) T 1-4	(/PTO 412)		
1) 🔀 Notice of References Cited (PTO-892) 4) 🔲 Interview Summary (PTO-413) Paper No(s)/Mail Date				
Notice of Information Disclosure Statement(s) (PTO/SB/08) Notice of Informal Patent Application				

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DETAILED ACTION

Drawings

Figures (1 and 2) should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claim 7 is objected to because of the following informalities: "claim 1" should correctly be -- claim 6 --. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims rejected under 35 U.S.C. 102(b) as being anticipated by Takahashi et al. (4,229,619).

Regarding claims 1, 6, Takahashi et al. (Fig. 1) disclose a multi way speaker system includes an amplifier comprising: a signal input connection (10), a power amplifier (12) which amplifies a signal coupled in by way of the signal input connection, filters (14, 16, 18) formed a passive frequency divider which divides the signal amplified by the power amplifier into at least two channels, and at least two electroacoustic transducers (24, 26, 28) or at least two output connections for electroacoustic transducers which are each connected to a respective channel made available by the frequency divider, see col. 2, lines 4-27), wherein a passive negative feedback (34, 36, 38) is provided between at least one output of the frequency divider and the input of the power amplifier (12).

Regarding claims 2, 7, wherein the power amplifier is in the form of a differential amplifier (12) and the signal input connection is connected to the first input (+) of the differential amplifier and at least one channel made available by the frequency divider and preferably all channels are connected by way of a respective ohmic resistor to the second input (-) of the differential amplifier (12).

Regarding claims 3, 8, wherein the resistance values by way of which the channels made available by the frequency divider are connected to the second input (-) of the differential amplifier are different.

Regarding claims 4, 9, wherein the second input of the differential amplifier is connected to earth by way of an ohmic resistor (34, 36, 38).

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Regarding claims 5, 10, wherein the second input of the differential amplifier is connected to earth by way of an ohmic resistor (34, 36, 38).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional references (Yen (5,399,986); Kim (5,530,770); Su (6,674,866)) show further analogous prior art circuitry audio amplifier having multiple speakers.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh V. Nguyen whose telephone number is (571) 272-1767. The examiner can normally be reached from 8:00 AM - 3:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KHANH V. NGUYEN PRIMARY EXAMINER